

IN THE CLAIMS:

Please add claims 73-75 as follows:

73. An isolated DNA sequence which hybridizes to an HLA-DR- β chain locus of the human lymphocyte antigen complex, said DNA sequence being capable of hybridizing, to a polymorphic region of said locus to allow determination of one or more HLA alleles, said polymorphic region being encoded by a DNA sequence selected from the group consisting of:

- (a) DNA sequences encoding amino acids 8-14 of said locus;
- (b) DNA sequences encoding amino acids 26-32 of said locus;
- (c) DNA sequences encoding amino acids 72-78 of said locus;
- (d) DNA sequences which are portions of any one of the foregoing DNA sequences and which are capable of hybridizing to said polymorphic region;
- (e) DNA sequences which differ from any of the foregoing DNA sequences in codon sequence due to the degeneracy of the genetic code;
- (f) DNA sequences which are allelic variants of any of the foregoing DNA sequences; and

(g) DNA sequences which are fully complementary to any of the foregoing DNA sequences.

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74. An isolated DNA sequence encoding a polymorphic region of an HLA-DR- β chain locus of the human lymphocyte antigen complex, said DNA sequence being selected from the group consisting of:

(a) DNA sequences encoding amino acids 8-14 of said locus;

(b) DNA sequences encoding amino acids 26-32 of said locus;

(c) DNA sequences encoding amino acids 72-78 of said locus;

(d) DNA sequences which are portions of any one of the foregoing DNA sequences and which are capable of hybridizing to said polymorphic region;

(e) DNA sequences which differ from any of the foregoing DNA sequences in codon sequence due to the degeneracy of the genetic code; and

(f) DNA sequences which are fully complementary to any of the foregoing DNA sequences.

75. An isolated DNA sequence selected from the group consisting of: